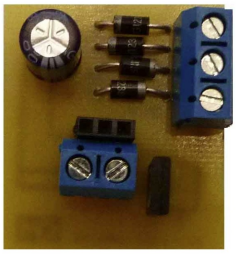
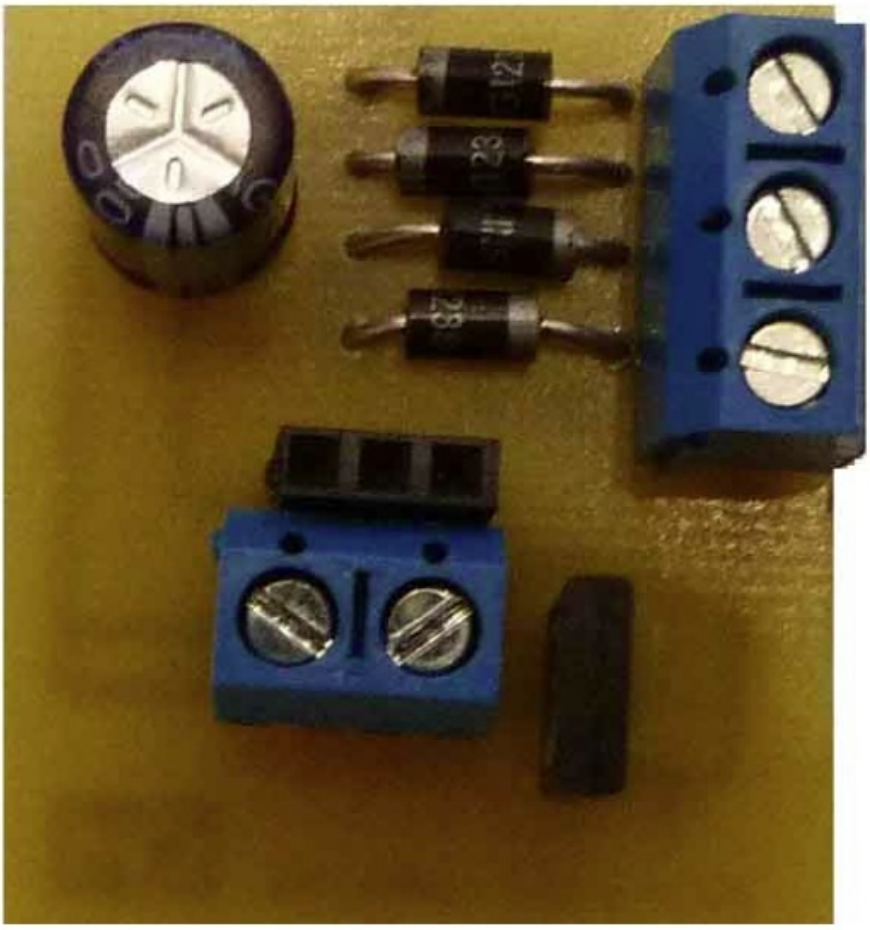


mXion TLS Pure Dimmer Module User Manual

mXion TLS Pure Dimmer Module



Contents

Introduction

Dear customer, we strongly recommend that you read these manuals and the warning notes thoroughly before installing and operating your device. The device is not a toy (15+).

NOTE: Make sure that the outputs are set to appropriate value before hooking up any other device. We can't be responsible For any damage if this is disregarded.

General information

We recommend studying this manual thoroughly before installing and operating your new device.
Place the decoder in a protected location.
The unit must not be exposed to moisture.

NOTE: Some functions are only available with the latest firmware.
Please make sure that your device is programmed with the latest firmware.

Summary of Functions

- DC/ AC/DCC operation
- Separate relay circuit
- Changeover relay
- Function output as OC
- Changing switching resistor
- LDR, NTC, PTC usable
- Twilight switch
- Temperature switch

Scope of supply

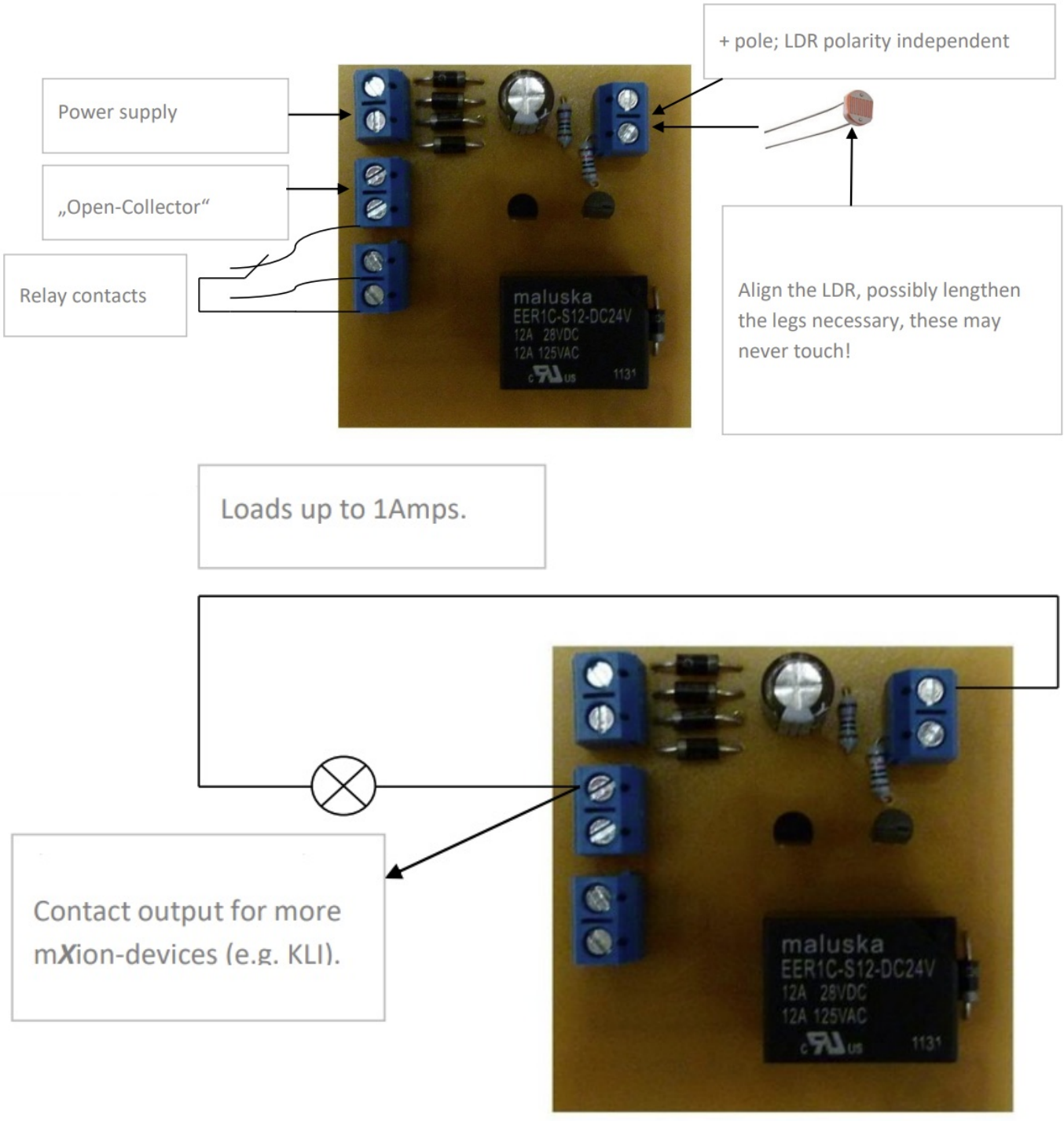
- Manual
- axion TLS

- LDR

Hook-Up

Install your device in compliance with the connecting diagrams in this manual.
The device is protected against shorts and excessive loads. However, in case of a connection error e.g. a short this safety feature can’t work and the device will be destroyed subsequently.
Make sure that there is no short circuit caused by the mounting screws or metal.

Connectors on the upper surface



Product description

The axion TLS is a versatile usable module. It can with the LDR resistance as a twilight switch used will, wherein

both increasing brightness off as also can enable. This is done by changeover relay. With the NTC resistor as it can temperature switches are used. This is the same behavior as with the LDR.
The ,,open-collector" (OC) output can switching loads up to law Here is used the supply voltage. The OC output switches to ground (- pole}. For larger loads and other stresses please use the relay. Here you can off all the stress that input from the stress vary. The relay is a combined NO/NC, and switches from an input voltage of 20V reliable. The OC output in parallel to the relays are used.

Application examples

The examples shown here serve only to excite.

Some possible examples of the axion TLS is next to the temperature and brightness detection the model making. You can automatically receive their lighting system on/off, and in the dark the ,,fuss" and turn on, or you will ,,fuss" run only at night? You can plant your fan leave unless one certain temperature has been reached is. To save yourself a lot of wiring expenses and switch.

In combination with the mien KLI you can not even your plant lighting on, but the station lights a real fluorescent lamps flicker miss. The steam railroaders can use a petroleum imitation produce. Also the ,,campfire" need only be switched when it is dark. This is also connected to the series mien feasible.

Technical data

- **Power supply:**
  7-25V DC/DCC (peaks max. 27V) 5-18V AC
- **Power supply of the relay (switching mode)**
  11-28V DC/DCC 08-19V AC
- **Current:**
  30-120mA (with out functions)
- **Maximum function current:**
  OC 1 Amps.
  Relay max. 250VAC/8Amps.
- **Temperature range:**
  -20 up to 100°c
- **Dimensions L *B*H (cm):**
  5.5*6*2

NOTE: In case you intend to utilize this device below freezing temperatures, make sure it was stored in a heated environment before operation to prevent the generation of condensed water. During operation is sufficient to prevent condensed water.
In terms of the NTC (temperature resistor) you should to the temperature range of the NTC otherwise no proper function can be guaranteed.
Smaller Voltages (5V e.g.) you can make a relay (5V or smaller) to the QC-Output. You do not need a diode.

Warranty, Service, Support

micron-dynamics warrants this product against defects in materials and workmanship for one year from the original date of purchase. Other countries might have different legal warranty situations. Normal wear and tear, consumer modifications as well as improper use or installation are not covered. Peripheral component damage is not covered by this warranty. Valid warrants claims will be serviced without charge within the warranty period. For warranty service please return the product to the manufacturer. Return shipping charges are not covered by

micron-dynamics. Please include your proof of purchase with the returned good. Please check our website for up to date brochures, product information, documentation and software updates. Software updates you can do with our updater or you can send us the product, we update for you free

Hotline

For technical support and schematics for application examples contact:

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www.micron-dynamics.de
https://www.youtube.com/@micron-dynamics

Documents / Resources

	mXion TLS Pure Dimmer Module [pdf] User Manual TLS Pure Dimmer Module, TLS, Pure Dimmer Module, Dimmer Module, Module

References

- Top Fahrradbekleidung für Damen & Herren - Ride your Style
- micron-dynamics
- micron-dynamics